

established, although application with even a significant amount of turf growth is possible and useful. It is at the time before turf establishment that the soil of the land area is most vulnerable to erosion by wind and precipitation, and also is the time when the soil is being subjected to extensive watering for establishing turf on the land area. It should be noted that the land area, as referred to herein, may comprise an area of a few square yards, such as in the case of a putting green, up to several acres, such as in the case of fairways or fairway boundary areas. A particular land area for the purpose of PAM treatment using the invention is generally defined by a number of factors, such as, for example, the type or composition of the soil, and the average or general slope of the top surface of the soil. A large area, such as a golf course, may be subdivided into several smaller sections of land area.

---

Replace the paragraph beginning on page 12, line 5, with:

---

A liquid is introduced into each of the first and second trays. A first liquid is introduced into the uppermost end of the first tray, and a second liquid is introduced into the uppermost end of the second tray. The first liquid comprises water, preferably without any significant levels of other substances. The second liquid comprises a mixture of PAM and water. The mixture of the second liquid preferably comprises about 1000 parts water to about 1 part PAM, which generally corresponds to the mixture preferably applied to soil having a general slope of about 3 to 1.

---

**In the Claims:**

---

8. The method of claim 7 additionally comprising detecting saturation of the soil when the mixture accumulates on the surface rather than being absorbed into the ground and the mixture on the top surface reflects ambient light.

D<sub>4</sub> ~~21/19~~ <sup>20</sup> 19. The method of claim ~~18~~ wherein the applying step comprises making a series of applications of the mixture to the soil according to the number of times determined to achieve the total application rate for the soil of the land area.

D<sub>5</sub> ~~23/21~~ <sup>20</sup> 21. The method of claim ~~20~~ additionally comprising detecting saturation of the soil when the mixture accumulates on the surface rather than being absorbed into the ground and the mixture on the top surface reflects ambient light.

D<sub>6</sub> ~~30/28~~ <sup>19</sup> 28. The method of claim ~~27~~ additionally comprising the step of terminating the application of the mixture when PAM penetrates below a top surface of the soil.

D<sub>7</sub> ~~36/30~~ <sup>30</sup> 30. A method of applying polyacrylamide (PAM) for stabilizing soil particles of a land area from erosive movement about the land area, the method comprising;  
mixing PAM with water to form a mixture for application to the land area;  
applying the mixture to a top surface of soil of the land area until the soil of the land area becomes saturated, and stopping the application of the mixture when the top surface becomes saturated and the mixture accumulates on the surface rather than being absorbed into the ground and the mixture on the top surface reflects ambient light; and  
terminating the application of the mixture when PAM penetrates below a top surface of the soil.

Cancel claim 43.